

 (104; 204).

 13. (Amended) In a signal transmission system with signal transmission lines, a remote feeder reactance coil for supplying energy to, or withdrawing energy from, said signal transmission lines, said remote feeder reactance coil comprising a primary winding (102; 202) of an electrically conductive material which carries the feed current and an attenuation circuit (118; 218) including a secondary winding (112; 212) of conductive material, wherein said secondary winding (112; 212) and said primary winding (102; 202) interact with each other through capacitive, inductive, or capacitive and inductive coupling, wherein the signal transmission system comprises

intermediate amplifiers (16) which are supplied with electrical energy via said signal transmission lines (14), with said remote feeder reactance coils (18, 20) being used for this purpose.

Please add the following new claims:

 --14. The remote feeder reactance coil of claim 2 characterized in that said primary and said secondary windings (102; 112; 202; 212) have a common winding axis.